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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): John E. Moon, Timothy T. Walker, Paul F. Kusbel and Robert Matousek

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance: Assignment of U.S. Patent Application entitled REDUCED HEAD POPULATION DETECTION IN A DISC DRIVE filed July 13, 1999.

- Merger
 Security Agreement
 Change of Name
 Other

Execution Date: September 29, 1999, October 1, 1999, September 29, 1999 and September 29, 1999, respectively.

2. Name and address of receiving party(ies)

Name: Seagate Technology, Inc.

Internal Address:

Street Address: 920 Disc Drive

City: Scotts Valley State: CA ZIP: 95067

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s) 09/352,450 filed July 13, 1999

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Bill D. McCarthy

Internal Address:

Street Address: Crowe & Dunlevy

1800 Mid-America Tower, 20 N. Broadway

City: Oklahoma City State: OK Zip: 73102-8273

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41): \$ 40.00

- Enclosed
 Authorized to be charged to deposit account

8. Deposit account number: 13-0110

(if additional fees required)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and my attached copy is a true copy of the original document.

Randall K. McCarthy

Signature

October 8, 1999

Name of Person Signing

Signature

Reg. No. 39,297

Date

Total number of pages including cover sheet, attachments, and document: 4

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ASSIGNMENT

WHEREAS, we **John E. Moon, Timothy T. Walker, Paul F. Kusbel and Robert Matousek** are the joint inventors of an invention in **REDUCED HEAD POPULATION DETECTION IN A DISC DRIVE**, for which we have executed an application for United States Letters Patent; and

WHEREAS, Seagate Technology, Inc., a corporation organized and existing under and by virtue of the laws of the State of Delaware and having a place of business at Scotts Valley, California, is desirous of acquiring the entire right, title and interest in and to said application and said invention, as well as any and all applications for Letters Patents and Inventor's Certificates which may be filed on said invention in any country or countries, as well as any and all Letters Patents and Inventor's Certificates which may be granted on any such application.

NOW, THEREFORE, for valuable consideration, the receipt and adequacy of which is hereby acknowledged, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over unto Seagate Technology, Inc., its successors and assigns, our entire right, title and interest in, to and under said invention and said application, and any and all Letters Patents which may be granted for said invention and/or on said application, including all extensions, continuations, divisions and reissues thereof, and our right of priority under the International Convention for the Protection of Industrial Property, the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models, and any other convention, treaty or reciprocal agreement to which the United States is a party concerning priority in inventions, patents, designs, inventor's certificates, industrial property or industrial models, and any and all applications for Letters Patent or Inventor's Certificate which has heretofore or may hereafter be filed on said invention in any country or countries, as well as any and all Letters Patents and Inventor's Certificates which may be granted on any such application, including all extensions, continuations, divisions, reissues and renewals thereof; the same to be held and enjoyed by Seagate Technology, Inc. for its own use and behoof and for the use and behoof of its successors and assigns as fully and entirely as the same would have been held and enjoyed by us had this assignment not been made;

AND we covenant that we have not and will not execute any instrument or take any action contrary to this assignment, nor encumber the title of Seagate Technology, Inc., in, to and under said invention, applications, Letters Patents and Inventor's Certificates, and that we have the right to execute this instrument;

AND we, and each of us, hereby covenant and agree to keep Seagate Technology, Inc. advised of our current residence addresses, and we, and each of us, or our executors, administrators, representatives or assigns, will execute all papers, make all rightful oaths, and do all acts deemed by Seagate Technology, Inc., its successors and assigns, necessary or desirable in any proceeding concerning any of said applications or Letters Patents or Inventor's Certificates, including, but not limited to, proceedings for the procurement or enforcement of Letters Patents for said invention, or for the reissue, renewal or extension thereof, at the expense of Seagate Technology, Inc. but without charge to Seagate Technology, Inc., its successors and assigns.

We hereby request the Commissioner of Patents of the United States, and any official of any country foreign to the United States whose duty is to issue Letters Patents or Inventor's Certificates on applications as aforesaid, to issue Letters Patents or Inventor's Certificates to Seagate Technology, Inc. or its designee in accordance with this instrument.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment and sale.

Date: Sept. 29, 1999

John E. Moon
John E. Moon, ASSIGNOR

Date: 10/1/99

Timothy T. Walker
Timothy T. Walker, ASSIGNOR

Date: 9/29/99

Paul F. Kusbel
Paul F. Kusbel, ASSIGNOR

Date: 9/29/99

Robert Matousek
Robert Matousek, ASSIGNOR

STATE OF OKLAHOMA
COUNTY OF CANADIAN

)
) ss.
)

This instrument was acknowledged before me, a Notary Public, on this 29 day of Sept, 1999 by John E. Moon.
(Month)

Judith A. Ryan
Notary Public

My Commission Expires:
My Commission Expires July 15, 2003

STATE OF OKLAHOMA)

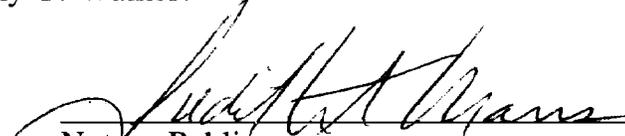
)

SS.

COUNTY OF CANADIAN)

)

This instrument was acknowledged before me, a Notary Public, on this Oct day of 1, 1999 by Timothy T. Walker.
(Month)


Notary Public

My Commission Expires:

My Commission Expires July 15, 2003

STATE OF OKLAHOMA)

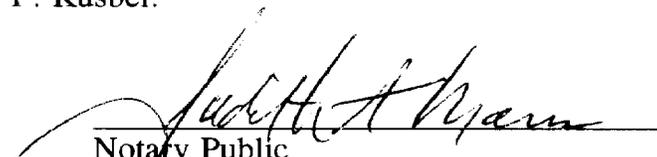
)

SS.

COUNTY OF CANADIAN)

)

This instrument was acknowledged before me, a Notary Public, on this Sept day of 29, 1999 by Paul F. Kusbel.
(Month)


Notary Public

My Commission Expires July 15, 2003
~~My Commission Expires July 15, 2003~~

STATE OF OKLAHOMA)

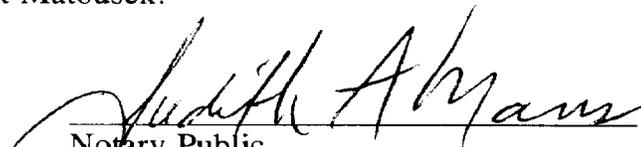
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SS.

COUNTY OF CANADIAN)

)

This instrument was acknowledged before me, a Notary Public, on this Sept day of 29, 1999 by Robert Matousek.
(Month)


Notary Public

My Commission Expires:

My Commission Expires July 15, 2003